

Sample No:

Oil Type: LIEBHERR GEAR BASIC 90 LS

LH0296492



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Sample Information						
Sample Number		LH0296492				
Sample Date		21 Jun 2024				
Machine Hours		652				
Oil Hours		0				
Oil Changed		Changed				
Sample Status		ABNORMAL				
Oil Condition						
Visc @ 40°C	cSt	227				

LIEBHERR CANADA LTD. 1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8

Contact: Steve Lehto steve.lehto@liebherr.com

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ontami	nation			
0/2		NEG	 	

Water	%	NEG	 	
Silicon	ppm	4	 	
Sodium	ppm	0 <1	 	
Potassium	ppm	0 <1	 	

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. Free water present. Viscosity of sample indicates oil is within ISO 220 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The oil is no longer serviceable due to the presence of contaminants.

(O) Woo				
Wed	ır Metals	3		
Iron	ppm	67	 	
Copper	ppm	6	 	
Lead	ppm	() <1	 	
Tin	ppm	0	 	
Aluminum	ppm	 <1	 	
Chromium	ppm	1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	O <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	○ <1	 	
Vanadium	ppm	0	 	

Addit	Additives							
Calcium	ppm	84						
Magnesium	ppm	2						
Zinc	ppm	55						
Phosphorus	ppm	418						
Barium	ppm	2						
Boron	ppm	17						

Depot: LIEMIS Unique No: 5801935 Signed: Kevin Marson **Report Date:** 27 Jun 2024





Graphs

